

## REMARKS

Claims 1, 3, and 25 have been amended to clarify the subject matter regarded as the invention. Claims 1 – 8 and 25 are pending.

The Examiner has rejected claims 1 and 25 under 35 U.S.C. 102(b) as being anticipated by Haag.

The rejection is respectfully traversed. Haag describes generating a scanning pulse using a fixed frequency generator and a variable frequency generator. The scanning pulse (output by mixer circuit R in Figure 2) is used to sample and obtain amplitude values for an input signal. It is not a “carrier frequency signal” as recited in amended claims 1 and 25. Claims 1 and 25 are therefore believed to be allowable.

Claims 2 – 8 depend from claim 1 and are believed to be allowable for the same reasons described above.

The Examiner has rejected claims 1 and 25 under 35 U.S.C. 102(b) as being anticipated by Zeinstra et al.

The rejection is respectfully traversed. Claims 1 and 25 have been amended to recite that “the variable frequency signal is generated independently of the fixed frequency signal.” Figure 5 of Zeinstra shows that the fixed frequency signal from reference 61 is fed back through VCO 65 and divider 66 and is used to generate the variable frequency signal that is output by divider 62. It is therefore believed that Zeinstra does not describe the variable frequency signal of amended claims 1 and 25 and the claims are allowable.

Claims 2 – 8 depend from claim 1 and are believed to be allowable for the same reasons described above.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

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